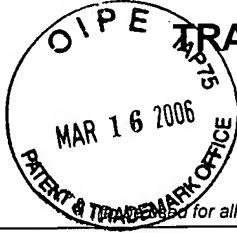


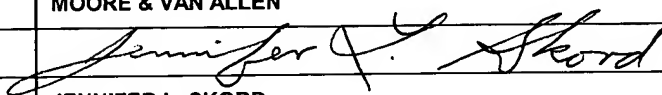
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

	Application Number	10/562,512
	Filing Date	December 28, 2005
	First Named Inventor	Ben Hankamer
	Art Unit	
	Examiner Name	
Total Number of Pages in This Submission		Attorney Docket Number 012930-000026

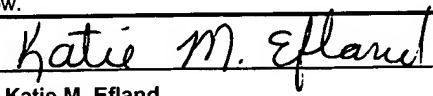
ENCLOSURES (check all that apply)

<input checked="" type="checkbox"/> Fee Transmittal Form <input checked="" type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment / Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Documents <input type="checkbox"/> Response to Missing Parts/Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): *Signed Declaration; *Check in the amount of \$65.00 for late Declaration; *Completion of Filing Requirements; *Acknowledgment Postcard
Remarks		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

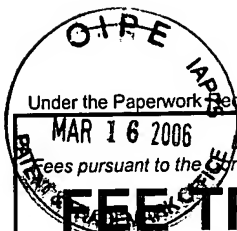
Firm Name	MOORE & VAN ALLEN		
Signature			
Printed Name	JENNIFER L. SKORD		
Date	March 14, 2006	Reg. No.	30,687

CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.			
Signature			
Typed or printed name	Katie M. Efland	Date	March 14, 2006

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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PTO/SB/17 (12-04v2)
Approved for use through 07/31/2006. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Effective on 12/08/2004.

Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

FEE TRANSMITTAL

For FY 2005

Complete if Known

Application Number **10/562,512**
Filing Date **December 28, 2005**
First Named Inventor **Ben Hankamer**
Examiner Name

☒ Applicant claims small entity status. See 37 CFR 1.27

Art Unit

TOTAL AMOUNT OF PAYMENT (\$) **65.00**

Attorney Docket No. **012930-000026**

METHOD OF PAYMENT (check all that apply)

☒ Check ☐ Credit Card ☐ Money Order ☐ None ☐ Other (please identify):

☒ Deposit Account Deposit Account Number: **13-4365** Deposit Account Name: **Moore And Van Allen, PLLC**
For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☐ Charge fee(s) indicated below

☐ Charge fee(s) indicated below, except for the filing fee

☒ Charge any additional fee(s) or underpayments of fee(s) ☒ Credit any overpayments
under 37 CFR 1.16 and 1.17

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

FEE CALCULATION

1. BASIC FILING, SEARCH, AND EXAMINATION FEES

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

2. EXCESS CLAIM FEES

Fee Description

Each claim over 20 (including Reissues)

Fee (\$)	Small Entity Fee (\$)
50	25
200	100
360	180

Each independent claim over 3 (including Reissues)

Multiple dependent claims

Total Claims **Extra Claims** **Fee (\$)** **Fee Paid (\$)**

- 20 or HP = x =

HP = highest number of total claims paid for, if greater than 20

Indep. Claims **Extra Claims** **Fee (\$)** **Fee Paid (\$)**

- 3 or HP = x =

HP = highest number of independent claims paid for, if greater than 3

Multiple Dependent Claims
Fee (\$) **Fee Paid (\$)**

3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets **Extra Sheets** **Number of each additional 50 or fraction thereof** **Fee (\$)** **Fee Paid (\$)**
- 100 = / 50 = (round up to a whole number) x =

4. OTHER FEE(S)

Non-English Specification, \$130 fee (no small entity discount)

Other: **Late Declaration**

65.00

SUBMITTED BY

Signature *Jennifer L. Skord* Registration No. (Attorney/Agent) 30,687 Telephone (919) 286-8000
Name (Print/Type) **Jennifer L. Skord** Date **03/14/2006**

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No. : 10/562,512
Inventors : Ben Hankamer, et al.
Filed : December 28, 2005
Art Unit :
Examiner :
Docket No. : 012930-000026
Customer No. : 24239

Confirmation No.:

Title : PHOTOSYNTHETIC HYDROGEN PRODUCTION

Mail Stop: Missing Parts
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the US Postal Service as first class mail on March 14, 2006, in an envelope addressed to Commissioner of Patents, PO Box 1450, Alexandria, VA 22313-1450

Katie M. Efland
Katie M. Efland

COMPLETION OF FILING REQUIREMENTS

1. Although it is almost 3 months from filing the subject U.S. application, applicants have yet to receive a Notification of Missing Requirements under 35 U.S.C. 371 in the United States Designated/Elected Office (DO/EO/US).

DECLARATION OR OATH

2. No original signed declaration or oath was filed and enclosed is the original signed declaration or oath for this application.

COMPLETION FEES

3. Filing fee

Utility patent application (37 CFR 1.16(a))--\$740.00;	
small entity--\$370.00)	\$0.00
Design application (37 CFR 1.16(f))--\$330.00; small	
entity--\$165.00)	\$0.00

Fees for claims

03/17/2006 CNGUYEN2 00000051 10562512

01 FC:2051

65.00 OP

Independent claims in excess of three (\$84.00; small entity--\$42.00)	\$ <u>0.00</u>
Claims in excess of twenty (\$18.00; small entity--\$9.00)	\$ <u>0.00</u>
Multiple dependent claims (\$280.00; small entity--\$140.00)	\$ <u>0.00</u>
 Surcharge fees	
 Late filing of original declaration or oath (37 CFR 1.16(e)--\$130.00; small entity--\$65.00);	 \$ <u>65.00</u>
 Petition and fee for filing by other than all the inventors or a person not the inventor (37 CFR 1.17(h) and 1.47--\$130.00)	 \$ <u>0.00</u>
 Fee for processing an application filed with a specification in a non-English language (37 CFR 1.17(k) and 1.52(d)--\$130.00)	 \$ <u>0.00</u>
 Fee for processing and retention of application (37 CFR 1.21(l) and 1.53(d)--\$300.00)	 \$ <u>0.00</u>
Total Completion Fees	\$ <u>65.00</u>

4. Payment of Fees

Enclosed is a check for \$ 65.00.

AUTHORIZATION TO CHARGE DEPOSIT ACCOUNT

5. The Commissioner is authorized to charge additional fees which may be required by this paper and during the pendency of this application to Deposit Account No. 13-4365.

March 14, 2006
(DATE)


(SIGNATURE OF ATTORNEY)

Reg. No.: 30,687

Jennifer L. Skord
Type or print name of attorney

Tel No.: (919) 286-8000

430 Davis Drive, Suite 500
Address

Morrisville, North Carolina 27560-6832